

Amendments to the Specification

(a) TITLE: ~~Electrical Drive System With One Or More Intercommunication Networks.~~
Electrical Drive System With Drive Unit Networks, Intercommunication Networks And
Multi-Link-Controller

[paragraph numbers are referenced to the clean specification submitted by applicant, and not to the paragraph numbers in the published application, which are different]

[0039] According to Figure 5, the drive unit DRC ~~SDC~~ has, as basic hardware elements, a communication interface SI_DRR with transmission and reception components TX, RX, a converter interface CONV_INTERFACE and a digital signal processor DSP that regulates and controls the latter. Runnable thereon, the drive unit DRC also comprises the following software modules:

Paragraph [0058] of the clean specification submitted by applicant (which is paragraph [0060] of the published application), correctly shows the term "SDC". However, the published application erroneously misprinted it as "SEC". If published applications are used for printing a patent, correction is requested.

[0062] According to Figure 10, the individual sections (in the example which is represented, seven sections 1.7) are interlinked with one another and managed via the

multi-link controller MLC. A participant or node SIM 1...7 which does not undertake any drive function is included in the annular intercommunication network of each section. This intercommunication network node is simultaneously part of the multi-link controller MLC which, according to the actual practical realization status ~~state-of-the-art~~, can manage up to seven intercommunication rings or networks. This gives, as the number of drive units to be operated synchronously: $48 \text{ (per drive network)} \times 31 \text{ (per intercommunication network)} \times 7 \text{ (per multi-link controller)} = 10416$. The multi-link controller MLC provides each section, or each associated intercommunication network, with all information needed for allocating each drive unit DRC present in a machine section to one of the 32 possible master axes. This facilitates the construction of drive configurations that are very complex, yet can be structured well. Since the drive structure also reflects the mechanical structure of the machine, complex systems with many drives also gain in clarity and therefore become easier to control and operate.